

What is claimed is:

1. A monitor, comprising:

a front casing having at least one snap portion at an upper rear surface of said front casing and at least one engaging pin at a lower rear surface of said front casing;

a rear casing having at least one engaging portion at an upper front surface detachably engaging with the snap portion of said front casing, and at least one first hole formed at a lower portion of the front surface, said rear casing integrally engaged with said front casing in such a manner that the first hole is separately engaged to the engaging pin, said front and rear casings enclosing a cathode ray tube; and

a snap pin engaging in the first hole accommodating the prevention of the engaging pin from detaching from the first hole when the engaging pin of the front casing is integrally engaged into the first hole of said rear casing.

2. The monitor of claim 1, wherein said snap portion includes an elastic plate formed by cutting away a part of an inner structure of said snap portion, a first aperture rectangular in shape formed at an intermediate portion of the elastic plate and a slant surface formed at one end of said snap portion at a certain angle.

3. The monitor of claim 2, wherein said engaging portion includes a first detent fixed by the first aperture of said snap portion and a pair of guides formed in both directions of the first detent, the first detent stably engaging with the snap portion.

1 4. The monitor of claim 3, wherein the front portion of the first detent is circular, and
2 the rear portion of the first detent includes a vertical wall.

1 5. The monitor of claim 3, wherein the distance between the guides is larger than the
2 width of the snap portion, and both sides of the snap portion contact with the inner surfaces of the
3 guides.

1 6. The monitor of claim 5, wherein the heights of the guides are less than the height of
2 the first detent, and the lengths of the guides are less than the length of the first detent.

1 7. The monitor of claim 6, wherein when the front and rear casing are integrally
2 engaged, a certain gap is formed between the front and rear casings, so that a certain tool such as a
3 driver is inserted into the gap when disassembling the front and rear casings.

1 8. The monitor of claim 1, wherein the engaging pin is a rectangular bar, and a pair of
2 first shoulder portions reinforcing the engaging pin are formed at the upper end of the engaging pin,
3 and a second detent is formed at an end portion of the lower surface of the engaging pin.

1 9. The monitor of claim 8, wherein a groove is formed at a top portion of an outer wall
2 of the first hole, and a second aperture is formed at a portion backwardly distanced from the groove,
3 and a pair of second shoulder portions each having a slant surface are formed at the bottom portion
4 of the outer wall of the first hole, and the second detent of the engaging pin is engaged and

5 disconnected with the second shoulder portions.

1 10. The monitor of claim 9, wherein said snap pin further comprising:

2 a polygonal upper body;

3 a lower body formed at a lower portion of said upper body and having one end divided into
4 first and second members; and

5 a connection portion accommodating integral connection of the upper and lower bodies.

1 11. The monitor of claim 10, wherein a third shoulder portion is downwardly protruding
2 from one end of said upper body and is fixed at a second hole of the top portion of the outer wall of
3 the first hole.

1 12. The monitor of claim 10, wherein the width of the lower body is less than the distance
2 between the first shoulder portions and the lower body is received between the first shoulder portions
3 when the first member is substantially parallel with the second member.

1 13. A monitor having a cathode ray tube, comprising:

2 a front casing;

3 a rear casing engaging with said front casing enclosing the cathode ray tube;

4 an indent portion protruding from said front casing and said rear casing in a certain direction;

5 a detent portion forming at the opposite casing of said indent portion, said indent portion
6 elastically transforming and inserting into said detent portion, and elastically transforming in the

7 same direction as the engaging direction for thereby disassembling the front and rear casings; and
8 a guide forming at said detent portion accommodating the direction of said indent portion
9 to said detent portion in an engaging position.

1 14. The monitor of claim 13, wherein an engaging groove forming at said indent portion, a
2 detent of said detent portion having a circular wall formed in the direction of the engaging groove
3 and a vertical wall in the opposite direction, when engaging said indent portion with said detent
4 portion, the indent portion is transformed by the circular wall, the detent is received into the
5 engaging groove of the indent portion, and when a certain separation force is applied, the vertical
6 wall is engaged with the engaging groove for thereby supporting the front and rear casings.

1 15. The monitor of claim 14, wherein a gap is formed between said front casing and said
2 rear casing allowing a certain tool to be inserted into the gap thereby pushing the indent portion, and
3 transforming the detent so that the front and rear casings are separated from each other.

1 16. A monitor having a front casing and a rear casing for receiving a cathode ray tube,
2 comprising:

3 an engaging pin extending from one of the front and rear casings in the direction of the
4 opposite casing;

5 a wall surrounding a first hole engaging with said engaging pin when the engaging pin slides
6 to the first hole; and

7 a snap pin engaged in said wall surrounding the first hole when said engaging pin is engaged

8 in the first hole accommodating the prevention of said engaging pin from disengaging from said
9 wall.

1 17. The monitor of claim 16, further comprising:
2 a groove forming at the top portion of said wall surrounding the first hole;
3 a first aperture forming at a portion backwardly distanced from the groove;
4 a pair of first shoulder portions each having a slant surface forming at a bottom portion of
5 said wall surrounding the first hole; and
6 a first detent of the engaging pin connecting and disconnecting with the first shoulder
7 portions.

1 18. The monitor of claim 16, wherein said engaging pin is a rectangular bar with a pair
2 of second shoulder portions forming at the upper end of said engaging pin, and a second detent
3 forming at an end portion of the lower surface of said engaging pin.

1 19. The monitor of claim 16, wherein said snap pin further comprising:
2 a polygonal upper body;
3 a lower body formed at a lower portion of said upper body and having one end divided into
4 first and second members; and
5 a connection portion accommodating integral connection of the upper and lower bodies.

1 20. The monitor of claim 16, further comprising:

an indent portion protruding from said front casing and said rear casing in a certain direction;
a detent portion formed at the opposite casing of said indent portion, said indent portion elastically transformed and inserted into said detent portion, and elastically transforming in the same direction as the engaging direction for thereby disassembling the front and rear casings; and
a guide formed at said detent portion accommodating the direction of said indent portion to said detent portion in an engaging position.

21. A method of constructing a monitor housing, comprising the steps of:
forming a front casing having at least one snap portion at an upper rear surface of said front casing and at least one engaging pin at a lower rear surface of said front casing;
forming a rear casing having at least one engaging portion at an upper front surface detachably engaging with the snap portion of said front casing, and at least one first hole formed at a lower portion of the front surface, said rear casing integrally engaging with said front casing in such a manner that the first hole is separately engaged to the engaging pin, said front and rear casings enclosing a cathode ray tube; and
forming a snap pin engaging in the first hole accommodating the prevention of the engaging pin from detaching from the first hole when the engaging pin of the front casing is integrally engaged into the first hole of said rear casing.

22. The method of claim 21, wherein forming the snap portion comprising the steps of:
forming an elastic plate by cutting away a part of an inner structure of said snap portion;

4 perforating a first aperture in a rectangular shape at an intermediate portion of the elastic
5 plate; and

6 forming a slant surface at one end of said snap portion at a certain angle.

1 23. The method of claim 22, wherein said engaging portion forms a first detent fixed by
2 the first aperture of said snap portion and a pair of guides formed in both directions of the first
3 detent, the first detent stably engaging with the snap portion.

4 24. The method of claim 23, wherein the distance between the guides is larger than the
5 width of the snap portion, and both sides of the snap portion contact with the inner surfaces of the
6 guides.

1 25. The method of claim 21, wherein forming said snap pin further comprising the steps
2 of:
3 forming a polygonal upper body;
4 forming a lower body at a lower portion of said upper body;
5 dividing one end of said lower body into first and second members; and
6 forming a connection portion accommodating integral connection of the upper and lower
7 bodies.